

Title (en)
DISTRIBUTED SENSING SYSTEM

Title (de)
VERTEILTES SENSORSYSTEM

Title (fr)
SYSTEME DE DETECTION DISTRIBUE

Publication
EP 0983486 B1 20050831 (EN)

Application
EP 98921656 A 19980519

Priority
• GB 9801442 W 19980519
• GB 9710057 A 19970519

Abstract (en)
[origin: US6285446B1] A system for measuring the strain in a structure in which the temperature at the location the strain is measured is also measured in which an optic fiber is incorporated in the structure which has an interferometer positioned at the point or points where the strain is to be measured. A pulse of light is sent down the fiber and the backscattered light is split to separate the Raman Scattered Spectrum light. The interferometer is used to measure the strain and the Raman Scattered Spectrum light is used to measure temperature and loss.

IPC 1-7
G01D 5/353

IPC 8 full level
G01B 11/16 (2006.01); **G01D 5/353** (2006.01)

CPC (source: EP US)
G01D 5/35383 (2013.01 - EP US); **G01L 1/242** (2013.01 - EP US)

Cited by
EP3037788A1; WO2016105196A2; US10634525B2; US8111952B2

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9853277 A1 19981126; AT E303582 T1 20050915; CA 2288746 A1 19981126; CA 2288746 C 20060711; DE 69831405 D1 20051006; DE 69831405 T2 20060223; EP 0983486 A1 20000308; EP 0983486 B1 20050831; ES 2244060 T3 20051201; GB 9710057 D0 19970709; JP 2001525938 A 20011211; US 6285446 B1 20010904

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